Annals of Internal Medicine

Published Twice Monthly by the American College of Physicians

Supplement to Volume 128 Numbers 1-12 AIMEAS 128(1-12)1-1100(1998) US ISSN 0003-4819

INDEX

VOLUME 128

1 JANUARY THROUGH 15 JUNE 1998

Copyrighted© 1998 by the American College of Physicians, Independence Mall West, Sixth Street at Race, Philadelphia, PA 19106-1572, U.S.A. For additional copies, contact **Customer Service** (800-523-1546 ext. 2600).
Permission to reproduce articles in whole or in part must be obtained from the Managing Editor, *Annals of Internal Medicine*.

Supplement to Volume 128 Numbers 1-12 AIMEAS 128(1-12)1-1100(1998) US ISSN 0003-4819

Annals of Internal Medicine

Published Twice Monthly by the American College of Physicians

Editorial Staff

Editor
Frank Davidoff, MD

Editors Emeriti
J. Russell Elkinton, MD
Edward J. Huth, MD

Senior Deputy Editor
David R. Goldmann, MD

Deputy Editor
Christine Laine, MD, MPH

Associate Editors
Elias Abrutyn, MD
John L. Abruzzo, MD
E. Victor Adlin, MD
Michelle Berlin, MD, MPH
Martin Black, MD
Leonard E. Braitman, PhD
Paul E. Epstein, MD
Harold Feldman, MD, MS
Steven N. Goodman, MD, PhD, MHS
Daniel G. Haller, MD
William G. Kussmaul III, MD
Michael A. LaCombe, MD
A. Russell Localio, JD

Executive Editor
Kathleen Case

Assistant Editor
Margaret Ring Gillock

Currents Editor
Margaret Ring Gillock

Manuscript Processing Supervisor
Mary Beth Schaeffer

Business Staff

Director
Michael Koehler

Advertising Office
Brian S. Barker, *Business Manager*
Ara H. Eloian, *Production Manager*
Penny Quartapella, *Advertising Supervisor*
Darlene Kwiatkowski, *Sales Representative*

Editorial Board

Robert Evans, PhD, *Vancouver*
F. John Gennari, MD, *Burlington*
Julie Gerberding, MD, MPH, *San Francisco*
Robert Hillman, MD, BS, *Portland, Maine*
Lisa Iezzoni, MD, MSc, *Boston*
Risa Lavizzo-Mourey, MD, *Philadelphia*
Robert A. Levine, MD, *Syracuse*
Mark Molitch, MD, *Chicago*
Jock Murray, MD, *Halifax*
Nathaniel Reichek, MD, *Pittsburgh*
Charles Safrin, MD, *Boston*
Raymond Slavin, MD, *St. Louis*
J. Bruce Smith, MD, *Philadelphia*
Mark D. Smith, MD, *Menlo Park*
Daniel Sulmasy, MD, *Washington, D.C.*
Margaret A. Tempero, MD, *Omaha*
Barbara J. Turner, MD, MSEd, MA, *Philadelphia*
Mark J. Utell, MD, *Rochester, New York*

Publication Committee, American College of Physicians

Chaim M. Bell, MD
Mark E. Frisse, MD
Stanley Goldfarb, MD
Clicerio Gonzalez-Villalpondo, MD
Bernard M. Rosof, MD
Edward H. Shortliffe, MD, *Chair*
Mark E. Silverman, MD, *Vice Chair*
Margaret A. Tempero, MD
Peter Tugwell, MD
Rowen K. Zetterman, MD

Publishing Staff

Director of Journal Publishing
Pamela Fried

Production Manager
Mary E. Boylan

Senior Production Editors
Suzanne Brownholtz-Meyers
Jennifer Travis

Production Editor
Shannon Donovan

Editorial Assistant
Jennifer Kearney

Information Specialist
Elizabeth Wolverton

Circulation Manager
Betty Layberger

Annals of Internal Medicine

Volume 128 Number 1 **1 January 1998**

Letters 70

Zafirlukast in Asthma

Transesophageal Intrahepatic Portosystemic Shunts Compared with Sclerotherapy

Number Needed To Treat and Relative Risk Reduction

Management of Refractory Neurocardiogenic Syncope

Hypertriglyceridemia and Atherosclerosis

Where's the Bias?

Book Notes 79

ARTICLES

The Clinical Validity of Normal Compression Ultrasonography in Outpatients Suspected of Having Deep Venous Thrombosis	**1**	Birdwell, Raskob, Whitsett, Durica, Comp, and others
Clarification of the Risk for Venous Thrombosis Associated with Hereditary Protein S Deficiency by Investigation of a Large Kindred with a Characterized Gene Defect	**8**	Simmonds, Ireland, Lane, Zöller, García de Frutos, and Dahlbäck
The Incidence of Venous Thromboembolism in Family Members of Patients with Factor V Leiden Mutation and Venous Thrombosis	**15**	Middeldorp, Henkens, Koopman, van Pampus, and others
Famciclovir for the Suppression of Symptomatic and Asymptomatic Herpes Simplex Virus Reactivation in HIV-Infected Persons. A Double-Blind, Placebo-Controlled Trial	**21**	Schacker, Hu, Koelle, Zeh, Saltzman, Boon, Shaughnessy, Barnum, and Corey

BRIEF COMMUNICATIONS

Hydroxyurea-Induced Leg Ulceration in 14 Patients	**29**	Best and others
Bilateral Sampling of the Internal Jugular Vein To Distinguish between Mechanisms of Adrenocorticotropic Hormone–Dependent Cushing Syndrome	**33**	Doppman, Oldfield, and Nieman

ACADEMIA AND CLINIC

Test–Treatment Strategies for Patients Suspected of Having Lyme Disease: A Cost-Effectiveness Analysis	**37**	Nichol, Dennis, Steere, and others

UPDATE

Update in Nephrology	**49**	Goldfarb and Henrich

MEDICINE AND PUBLIC ISSUES

Competing Practice Guidelines: Using Cost-Effectiveness Analysis To Make Optimal Decisions	**56**	Granata and Hillman

EDITORIALS

Pertussis in Adults	**64**	Cherry
Masking, Blinding, and Peer Review: The Blind Leading the Blinded	**66**	Davidoff

ON BEING A PATIENT

Wacker Revisited	**69**	Braman

MEDICAL WRITINGS

Phantom Limb: From Medical Knowledge to Folk Wisdom and Back	**76**	Herman

Annals of Internal Medicine

Volume 128 Number 2 15 January 1998

Ad Libitum 95

Letters 155

Diagnosing Syncope

Extramedullary Plasmacytoma: A Localized or Systemic Disease?

Vitamin E for Chronic Hepatitis B

Hyperadrenocorticism in a Patient with Esophageal Squamous-Cell Carcinoma

Tensions in the Racial Integration of Health Care, Then and Now

Book Notes 159

Currents 161

Pulmonary Artery Catheters on Trial

Hypertension Guidelines Promote Aggressive Therapy

ARTICLES

Body Weight, Weight Change, and Risk for Hypertension in Women	81	Huang, Willett, Manson, and others
Effect of HMGcoA Reductase Inhibitors on Stroke. A Meta-Analysis of Randomized, Controlled Trials	89	Bucher, Griffith, and Guyatt
Difficulty and Dependence: Two Components of the Disability Continuum among Community-Living Older Persons	96	Gill, Robison, and Tinetti
Effectiveness of Computer-Generated Reminders for Increasing Discussions about Advance Directives and Completion of Advance Directive Forms. A Randomized, Controlled Trial	102	Dexter, Wolinsky, Gramelspacher, Zhou, Eckert, Waisburd, and Tierney

BRIEF COMMUNICATIONS

Serious Hepatitis A: An Analysis of Patients Hospitalized during an Urban Epidemic in the United States	111	Willner, Uhl, Howard, Williams, Riely, and Waters
Radiation Therapy for Breast Cancer and Increased Risk for Esophageal Carcinoma	114	Ahsan and Neugut

ACADEMIA AND CLINIC

The Effectiveness of Intensive Training for Residents in Interviewing. A Randomized, Controlled Study	118	Smith, Lyles, Mettler, and others

NIH CONFERENCE

The Pathophysiologic Roles of Interleukin-6 in Human Disease	127	Papanicolaou, Wilder, and others

EDITORIALS

Warning Signs along the Road to Functional Dependency	138	Reuben
Dialogue: The Core Clinical Skill	139	Duffy

POSITION PAPER

The Physician Workforce and Financing of Graduate Medical Education	142	American College of Physicians

ON BEING A DOCTOR

The Time of the Three Dynasties: Reflections on Imbalance in the Practice of Medicine	149	Hergott

ON BEING A PATIENT

When Doctors Get Sick	152	Spiro and Mandell

Annals of Internal Medicine

Volume 128 Number 3 **1 February 1998**

Ad Libitum 185

Letters 242

Total Cholesterol and Death from Coronary Heart Disease in Older Persons

Ultrasonography of Leg Veins in Patients Suspected of Having Pulmonary Embolism

Clinical Experience and Evidence-Based Medicine

Low-Level Teicoplanin Resistance and Heteroresistance to Vancomycin

Book Notes 251

ARTICLES

United Kingdom Prospective Diabetes Study 24: A 6-Year, Randomized, Controlled Trial Comparing Sulfonylurea, Insulin, and Metformin Therapy in Patients with Newly Diagnosed Type 2 Diabetes That Could Not Be Controlled with Diet Therapy	165	United Kingdom Prospective Diabetes Study Group
Metabolic Effects of Troglitazone Monotherapy in Type 2 Diabetes Mellitus. A Randomized, Double-Blind, Placebo-Controlled Trial	176	Maggs, Buchanan, Burant, Cline, and others
Increased Rate of Fractures and Severe Kyphosis: Sequelae of Living into Adulthood with Cystic Fibrosis	186	Aris, Renner, Winders, Buell, and others
Renal Dysfunction after Myocardial Revascularization: Risk Factors, Adverse Outcomes, and Hospital Resource Utilization	194	Mora Mangano, Diamondstone, Ramsay, and others

BRIEF COMMUNICATION

Association of Low $PaCO_2$ with Central Sleep Apnea and Ventricular Arrhythmias in Ambulatory Patients with Stable Heart Failure	204	Javaheri and Corbett

UPDATE

Update in Pulmonary Medicine	208	Niederman and Peters

REVIEW

Management of Chronic Stable Angina: Medical Therapy, Percutaneous Transluminal Coronary Angioplasty, and Coronary Artery Bypass Graft Surgery. Lessons from the Randomized Trials	216	Solomon and Gersh

MEDICINE AND PUBLIC ISSUES

Internists' and Surgeons' Attitudes toward Guns and Firearm Injury Prevention	224	Cassel, Nelson, Smith, Schwab, and others

EDITORIALS

Rheumatoid Arthritis: Anticytokine Therapies on the Horizon	231	Koopman and Moreland
Reframing Gun Violence	234	Davidoff

POSITION PAPER

Firearm Injury Prevention	236	American College of Physicians

MEDICAL WRITINGS

In the Name of Medicine	246	Berkenwald

Annals of Internal Medicine

Volume 128 Number 4 **15 February 1998**

Ad Libitum

Itch 305

For Dr. Williams 312

The Cracking of the Mold 317

Letters 319

Communicating End-of-Life Decisions

Indinavir and Interstitial Nephritis

Light Microscopy of Indinavir Urinary Crystals

Transjugular Intrahepatic Portosystemic Shunt or Sclerotherapy: Which Would You Choose?

Locating and Appraising Systematic Reviews

What's Wrong with This Picture?

Preoperative Echocardiography for Noncardiac Surgery

Oral Immunosuppressive Therapy for Acquired Hemophilia

Book Notes 331

Currents 333

Recurrent Urinary Tract Infections: New Theories, Old Remedies

Evidence-Based Medicine Gaining Supporters

ARTICLES

Alendronate Prevents Postmenopausal Bone Loss in Women without Osteoporosis. A Double-Blind, Randomized, Controlled Trial 253 McClung, Clemmesen, Daifotis, Gilchrist, Eisman, and others

The Role of Carotid Arterial Intima–Media Thickness in Predicting Clinical Coronary Events 262 Hodis, Mack, LaBree, Selzer, Liu, and others

Relation of Factor V Leiden Genotype to Risk for Acute Deep Venous Thrombosis after Joint Replacement Surgery 270 Ryan, Crowther, Ginsberg, and Francis

Screening for *Chlamydia trachomatis* in Asymptomatic Women Attending Family Planning Clinics. A Cost-Effectiveness Analysis of Three Strategies 277 Howell, Quinn, and Gaydos

BRIEF COMMUNICATION

The Effect of Estrogen Replacement Therapy on Plasma Nitric Oxide and Endothelin-1 Levels in Postmenopausal Women 285 Best, Berger, Miller, and Lerman

ACADEMIA AND CLINIC

Physicians as Leaders in Improving Health Care: A New Series in *Annals of Internal Medicine* 289 Berwick and Nolan

Understanding Medical Systems 293 Nolan

CLINICAL REVIEW

Clinical Profile and Outcome in 52 Patients with Cardiac Pseudoaneurysm 299 Yeo, Malouf, Oh, and Seward

PERSPECTIVE

The Care of Persons with Recent Sexual Exposure to HIV 306 Katz and Gerberding

EDITORIAL

Bone Mass, Bone Loss, and Osteoporosis Prophylaxis 313 Heaney

ON BEING A DOCTOR

Heartsick 315 McMurray

Annals of Internal Medicine

Volume 128 Number 5 **1 March 1998**

Ad Libitum 406

Letters 408

Intensity of Anticoagulation To Prevent Stroke in Patients with Atrial Fibrillation

Mycobacterium genavense and Cutaneous Disease in AIDS

Dermatologic Disease during Interferon-α Therapy for Chronic Viral Hepatitis

Effect of Previous Corticosteroid Treatment on Temporal Artery Biopsy Results

Sister Mary Joseph's Nodule

Book Notes 415

ARTICLES

Screening for Hemochromatosis and Iron Deficiency in Employees and Primary Care Patients in Western Germany	**337**	Niederau, Niederau, Lange, Littauer, Abdel-Jalil, and others
Lack of Cardiac Manifestations among Patients with Previously Treated Lyme Disease	**346**	Sangha, Phillips, and others
The Consequences of Overdiagnosis and Overtreatment of Lyme Disease: An Observational Study	**354**	Reid, Schoen, Evans, Rosenberg, and Horwitz
Defective Expression of Fas Messenger RNA and Fas Receptor on Pulmonary T Cells from Patients with Asthma	**363**	Spinozzi, Fizzotti, Agea, Piattoni, Droetto, Russano, and others

BRIEF COMMUNICATIONS

Prevalence of Genetic Hemochromatosis in a Cohort of Italian Patients with Diabetes Mellitus	**370**	Conte, Manachino, Colli, and others
Severe Hyperbilirubinemia after Creation of Transjugular Intrahepatic Portosystemic Shunts: Natural History and Predictors of Outcome	**374**	Rouillard, Bass, Roberts, Doherty, Gee, Bacchetti, and Somberg

UPDATE

Update in Endocrinology	**378**	Schlechte and Kreisberg

REVIEW

Thyroxine Suppressive Therapy in Patients with Nodular Thyroid Disease	**386**	Gharib and Mazzaferri

MEDICINE AND PUBLIC ISSUES

Ethical Practice in Managed Care: A Dose of Realism	**395**	Hall and Berenson

EDITORIAL

Medical Treatment of Benign Thyroid Nodules: Have We Defined a Benefit?	**403**	Ridgway

MEDICAL WRITINGS

On First Looking into Cabot's *Differential Diagnosis*	**411**	Schwartz

Annals of Internal Medicine

Volume 128 Number 6 **15 March 1998**

Ad Libitum 503

Letters 504

Monitoring Warfarin Therapy in Patients with Lupus Anticoagulants

Intravenous Amiodarone for Arrhythmia Management

Ki-Lymphoma and Interleukin-6

Ethnic Variation in Response to Alcohol

Bone Density and Vitamin D Intoxication

Book Notes 512

Currents 513

Is HIV Prophylaxis Effective for Sexual Exposures?

U.S. Dialysis Survival Strategy

ARTICLES

The Relation of Physical Activity to Risk for Symptomatic Gallstone Disease in Men	**417**	Leitzmann and others
Unfavorable Effects of Passive Smoking on Aortic Function in Men	**426**	Stefanadis and others
Awkward Moments in Patient–Physician Communication about HIV Risk	**435**	Epstein, Morse, Frankel, and others
Thalidomide in the Treatment of the Mucocutaneous Lesions of the Behçet Syndrome. A Randomized, Double-Blind, Placebo-Controlled Trial	**443**	Hamuryudan, Mat, Saip, Özyazgan, Siva, Yurdakul, and others

BRIEF COMMUNICATIONS

Standardized Hemodialysis Prescriptions Promote Inadequate Treatment in Patients with Large Body Mass	**451**	Ifudu, Mayers, Matthew, and others
Response of Lymphoepithelial Parotid Cysts to Antiretroviral Treatment in HIV-Infected Adults	**455**	Craven, Duncan, Stram, O'Hara, and others

ACADEMIA AND CLINIC

Building Measurement and Data Collection into Medical Practice	**460**	Nelson, Splaine, Batalden, and Plume

REVIEW

Epidemiology of Oral Contraceptives and Cardiovascular Disease	**467**	Chasan-Taber and Stampfer

PERSPECTIVE

Cholesterol and Violence: Is There a Connection?	**478**	Golomb

HISTORY OF MEDICINE

Introduction of the Blood Pressure Cuff into U.S. Medical Practice: Technology and Skilled Practice	**488**	Crenner

EDITORIALS

Behçet Disease and the Emergence of Thalidomide	**494**	Ehrlich
Medicine and Commerce. 1: Is Managed Care a "Monstrous Hybrid"?	**496**	Davidoff

ON BEING A PATIENT

Venus on the Right	**500**	Porter

ON BEING A DOCTOR

The Coding Audit	**502**	Sumkin

Annals of Internal Medicine

Volume 128 Number 7 **1 April 1998**

Ad Libitum 597

Letters 598

Patient Care after Percutaneous Coronary Artery Interventions

Catheter-Related Bacteremia in Patients Undergoing Hemodialysis

Ultrasonographic Screening for Deep Venous Thrombosis after Arthroplasty

Positive-Pressure Ventilation in Amyotrophic Lateral Sclerosis

Hepatitis C Virus Genotype Distribution in B-Cell Non-Hodgkin Lymphoma

Book Notes 611

ARTICLES

Effect of Intensive Therapy on Residual β-Cell Function in Patients with Type 1 Diabetes in the Diabetes Control and Complications Trial. A Randomized, Controlled Trial	**517**	The Diabetes Control and Complications Trial Research Group
Metabolic Risk Factors Worsen Continuously across the Spectrum of Nondiabetic Glucose Tolerance. The Framingham Offspring Study	**524**	Meigs, Nathan, Wilson, Cupples, and Singer
Beverage Use and Risk for Kidney Stones in Women	**534**	Curhan and others

BRIEF COMMUNICATION

Thrombotic Thrombocytopenic Purpura Associated with Ticlopidine. A Review of 60 Cases	**541**	Bennett, Weinberg, and others

UPDATE

Update in Hematology	**545**	Goodnight and Feinstein

MEDICINE AND PUBLIC ISSUES

The Debate over Physician-Assisted Suicide: Empirical Data and Convergent Views	**552**	Quill, Meier, Block, and Billings

PERSPECTIVES

Voluntary Death: A Comparison of Terminal Dehydration and Physician-Assisted Suicide	**559**	Miller and Meier
Remembering the Real Questions	**563**	Cohen

EDITORIALS

Care of the Dying: Clinical and Financial Lessons from the Oregon Experience	**567**	Tolle
Doctors and Ethics, Morals and Manuals	**569**	Pellegrino and others
Medicine and Commerce. 2: The Gift	**572**	Davidoff

POSITION PAPER

Ethics Manual. Fourth Edition	**576**	American College of Physicians

ON BEING A PATIENT

The Genie in the Bottle	**595**	Bernstein

MEDICAL WRITINGS

What's Wrong with this Medical Student Today? Dysfluency on Inpatient Rounds	**607**	Caldicott

Annals of Internal Medicine

Volume 128 Number 8 **15 April 1998**

Ad Libitum

Elegy for a Lost Toe 629

Light and Air 647

Poetry Contest Winner 690

Letters 693

Perioperative Cardiac Risk Assessment and Management

Angiotensin-Converting Enzyme Inhibitors in Nondiabetic Renal Disease

Hepatitis C and B-Cell Lymphoma

Social Class and Recovery from Myocardial Infarction

Botulinum Toxin in Long-Term Therapy for Achalasia

Book Notes 699

Currents 701

A Registry for Clinical Trials

Epilepsy Treatment Enters a New Era

ARTICLES

Biological and Virologic Characteristics of Primary HIV Infection	613	Schacker, Hughes, Shea, Coombs, and Corey
The Accuracy of Substituted Judgments in Patients with Terminal Diagnoses	621	Sulmasy, Terry, Weisman, and others
Transesophageal Echocardiography To Assess Embolic Risk in Patients with Atrial Fibrillation	630	Stöllberger, Chnupa, Kronik, and others
Transesophageal Echocardiographic Correlates of Thromboembolism in High-Risk Patients with Nonvalvular Atrial Fibrillation	639	The Stroke Prevention in Atrial Fibrillation Investigators Committee on Echocardiography

BRIEF COMMUNICATION

Histologic and Cytokine Response to Immunosuppression in Giant-Cell Myocarditis	648	Levy, Olson, Weyand, Brack, and others

ACADEMIA AND CLINIC

Developing and Testing Changes in Delivery of Care	651	Berwick

CLINICAL REVIEW

The Clinical Behavior of Localized and Multicentric Castleman Disease	657	Herrada, Cabanillas, Rice, and others

REVIEW

Noninvasive Diagnosis of Deep Venous Thrombosis	663	Kearon and others

MEDICINE AND PUBLIC ISSUES

Understanding the Fraud and Abuse Laws: Guidance for Internists	678	American College of Physicians

EDITORIALS

Transesophageal Echocardiography and Atrial Fibrillation: Added Value or Expensive Toy?	685	Manning and Douglas
Cutting Waste and Keeping Faith	688	Bloche

ON BEING A DOCTOR

Brignole	691	Rogal

Annals of Internal Medicine

Volume 128 Number 9 **1 May 1998**

Ad Libitum

Two Germans 712

My Ambition 778

Letters 779

GB Virus C Infection in Patients with Type II Cryoglobulinemia

CCR5 Genotype and the Clinical Course of HIV-1 Infection

Coming to Terms with Large Databases

HLA-B27–Associated Cardiac Disease

Granulomatous Disease in Common Variable Immunodeficiency

Numeracy

Software and Book Notes 791

ARTICLES

Postmenopausal Hormone Use and Risk for Colorectal Cancer and Adenoma	**705**	Grodstein, Martinez, Platz, and others
Aspirin Use and Colorectal Cancer	**713**	Stürmer and others
Noninvasive Mechanical Ventilation in the Weaning of Patients with Respiratory Failure Due to Chronic Obstructive Pulmonary Disease	**721**	Nava, Ambrosino, Clini, Prato, Orlando, Vitacca, and others
Mammography Use Helps To Explain Differences in Breast Cancer Stage at Diagnosis between Older Black and White Women	**729**	McCarthy, Burns, Coughlin, Freund, and others

BRIEF COMMUNICATIONS

Incidence of Idiopathic Deep Venous Thrombosis and Secondary Thromboembolism among Ethnic Groups in California	**737**	White, Zhou, and Romano
Can Degenerative Aortic Valve Stenosis Be Related to Persistent *Chlamydia pneumoniae* Infection?	**741**	Juvonen, Juvonen, Laurila, and others

REVIEW

The Eisenmenger Syndrome in Adults	**745**	Vongpatanasin and others

MEDICINE AND PUBLIC ISSUES

Have We Treated AIDS Too Well? Rationing and the Future of AIDS Exceptionalism	**756**	Casarett and Lantos
A Decision Analysis of Mandatory Compared with Voluntary HIV Testing in Pregnant Women	**760**	Nakchbandi and others

EDITORIALS

Heparin Prophylaxis for Medical Patients?	**768**	Lederle
Cancer Prevention: Better Late than Never?	**771**	Hoover
Ethnic Differences in Mammography Use among Older Women: Overcoming the Barriers	**773**	Grana
The 6th International Cochrane Colloquium: Baltimore	**775**	Davidoff

ON BEING A DOCTOR

The Gram Stain	**776**	Fournier

ON BEING A PATIENT

Mother's Day	**777**	Lands

MEDICAL WRITINGS

Stevie Smith: The Caregiver–Poet	**788**	MacKnight

Annals of Internal Medicine

Volume 128 Number 10 **15 May 1998**

Letters 871

Update in Endocrinology

Guidelines for Glycemic Control in Type 2 Diabetes

Cost-Effectiveness of Echocardiography after Stroke

Intracoronary Stenting for Postpartum Coronary Artery Dissection

Erythrocyte Sedimentation Rate and C-Reactive Protein in the Diagnosis of Polymyalgia Rheumatica

Cardiac Arrest and Myocardial Infarction Immediately after Sumatriptan Injection

Book Notes 879

Currents 881

Medical Libraries Today

Progress Treating Childhood Diseases Creates Challenges in Adult Care

ARTICLES

The Association of Radiographically Detected Vertebral Fractures with Back Pain and Function: A Prospective Study	**793**	Nevitt, Ettinger, Black, Stone, Jamal, and others
Protein Supplements Increase Serum Insulin-Like Growth Factor-I Levels and Attenuate Proximal Femur Bone Loss in Patients with Recent Hip Fracture. A Randomized, Double-Blind, Placebo-Controlled Trial	**801**	Schürch, Rizzoli, Slosman, Vadas, Vergnaud, and Bonjour
Incidence of Hepatitis C in Patients Receiving Different Preparations of Hepatitis B Immunoglobulins after Liver Transplantation	**810**	Féray, Gigou, Samuel, Ducot, Maisonneuve, Reynès, and others
The Effect of Antilymphocyte Induction Therapy on Renal Allograft Survival. A Meta-Analysis of Individual Patient–Level Data	**817**	Szczech, Berlin, Feldman, and others

BRIEF COMMUNICATIONS

Acute HIV Syndrome after Discontinuation of Antiretroviral Therapy in a Patient Treated before Seroconversion	**827**	Daar, Bai, Hausner, Majchrowicz, Tamaddon, and Giorgi
Warfarin Use and Risk for Osteoporosis in Elderly Women	**829**	Jamal, Browner, Bauer, and others

ACADEMIA AND CLINIC

Physicians as Leaders in the Improvement of Health Care Systems	**833**	Reinertsen

REVIEW

Electron-Beam Computed Tomography, Coronary Artery Calcium, and Evaluation of Patients with Coronary Artery Disease	**839**	Fiorino

NIH CONFERENCE

The Pathogenesis of Mucosal Inflammation in Murine Models of Inflammatory Bowel Disease and Crohn Disease	**848**	Strober, Lúdvíksson, and Fuss

PERSPECTIVE

Internal Medicine in the Current Health Care Environment: A Need for Reaffirmation	**857**	Nolan

EDITORIALS

Antilymphocyte Antibodies, Renal Transplantation, and Meta-Analysis	**863**	Levey, Schmid, and Lau
Variation in the Delivery of Health Care: The Stakes Are High	**866**	Wennberg

ON BEING A PATIENT

Doing Everything	**869**	Pisetsky

Annals of Internal Medicine

Volume 128 Number 11 **1 June 1998**

Letters 956

Interferon-α in Chronic Hepatitis C

Successful Treatment of Hyperammonemia after Lung Transplantation

Adult (Not Internal) Medicine

Book Notes 963

ARTICLES

Predictors of Systemic Embolism in Patients with Mitral Stenosis. A Prospective Study	**885**	Chiang, Lo, Ko, Cheng, Lin, and Chang
Diagnostic Yield and Optimal Duration of Continuous-Loop Event Monitoring for the Diagnosis of Palpitations. A Cost-Effectiveness Analysis	**890**	Zimetbaum, Kim, Josephson, Goldberger, and Cohen
Increased Risk for Cancer in Patients with the Peutz–Jeghers Syndrome	**896**	Boardman, Thibodeau, Schaid, and others
Family History of Colorectal Adenomatous Polyps and Increased Risk for Colorectal Cancer	**900**	Ahsan, Neugut, Garbowski, and others

BRIEF COMMUNICATIONS

Multiple Concurrent Reverse Transcriptase and Protease Mutations and Multidrug Resistance of HIV-1 Isolates from Heavily Treated Patients	**906**	Shafer, Winters, Palmer, and Merigan
Nodular Cutaneous Microsporidiosis in a Patient with AIDS and Successful Treatment with Long-Term Oral Clindamycin Therapy	**911**	Kester, Turiansky, and McEvoy

ACADEMIA AND CLINIC

Market Influences on Internal Medicine Residents' Decisions To Subspecialize	**915**	Valente, Wyatt, Moy, Levin, and Griner

REVIEWS

Epidemiology of Human Rabies in the United States, 1980 to 1996	**922**	Noah, Drenzek, Smith, Krebs, and others
Mosquitoes and Mosquito Repellents: A Clinician's Guide	**931**	Fradin

ABROAD

Letter from Reykjavik	**941**	Jónsson

PERSPECTIVES

What's New in Transplant Immunology: Problems and Prospects	**946**	Turka
On the Death of House Officers	**949**	Fitzgerald and Murray

EDITORIAL

Resisting Resistance: Maximizing the Durability of Antiretroviral Therapy	**951**	Condra

ON BEING A DOCTOR

Death in Springtime	**955**	Smith

MEDICAL WRITINGS

Literature and Medicine: An On-Line Guide	**959**	Charon and Montello

Annals of Internal Medicine

Volume 128 Number 12 (Part 1) **15 June 1998**

Ad Libitum

Call of the Pipes 1020

Informed Consent 1045

Letters 1046

Nitric Oxide in Cirrhosis

Megestrol Acetate in the Spectrum of Adrenal Insufficiency

Pertussis in Adults

Monitored Isoniazid Prophylaxis for Low-Risk Tuberculin Reactors

Dissolving Phenytoin Precipitate in Central Venous Access Device

Secretion of Vasopressin from a Human Pheochromocytoma

Monitoring and Regulating Clinical Software

The Prison Patient

Book Notes 1051

Currents 1053

New Methods for Drug Delivery

Sickle Cell Anemia in Adults: Avoiding Crises, Organ Damage

ARTICLES

The Electrocardiographic Exercise Test in a Population with Reduced Workup Bias: Diagnostic Performance, Computerized Interpretation, and Multivariable Prediction 965 Froelicher, Lehmann, Thomas, Goldman, Morrison, Edson, Lavori, Myers, and others

Ursodiol Prophylaxis against Hepatic Complications of Allogeneic Bone Marrow Transplantation 975 Essel, Schroeder, Harman, and others

Use of Enalapril To Attenuate Decline in Renal Function in Normotensive, Normoalbuminuric Patients with Type 2 Diabetes Mellitus 982 Ravid, Brosh, Levi, Bar-Dayan, Ravid, and Rachmani

Hospital-wide Restriction of Clindamycin: Effect on the Incidence of *Clostridium difficile*–Associated Diarrhea and Cost 989 Climo, Israel, Wong, Williams, Coudron, and Markowitz

BRIEF COMMUNICATIONS

Clinical Reporting to Primary Care Physicians Leads to Increased Use and Understanding of Bone Densitometry and Affects the Management of Osteoporosis 996 Stock, Waud, Coderre, Overdorf, Janikas, Heiniluoma, and Morris

Factor V Leiden Mutation as a Risk Factor for Recurrent Pregnancy Loss 1000 Ridker, Miletich, Buring, and others

ACADEMIA AND CLINIC

Cooperation: The Foundation of Improvement 1004 Clemmer and others

REVIEW

The Medical Consultant's Role in Caring for Patients with Hip Fracture 1010 Morrison, Chassin, and Siu

NIH CONFERENCE

Use of Cytotoxic Agents and Cyclosporine in the Treatment of Autoimmune Disease. Part 1: Rheumatologic and Renal Diseases 1021 Langford, Klippel, Balow, James, and Sneller

PERSPECTIVE

Traditional Healers in Southern Africa 1029 Hewson

EDITORIALS

Rehabilitation of the Exercise Electrocardiogram 1035 Kligfield

Low-Molecular-Weight Heparins in the Treatment of Venous Thromboembolism 1037 Koopman and Büller

ON BEING A DOCTOR

The Knight of Faith 1040 Klein

ON BEING A PATIENT

Mark Twain's Cat 1043 Andes